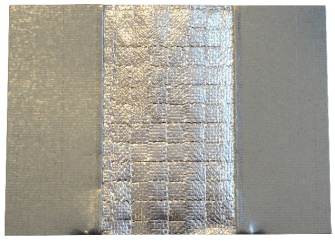
TECHNICAL DATA SHEET (1/2)

T - 1090 _ ALU

General description

In order to isolate vibrations caused by air handling units and fans connected to air ducts, it is highly recommended to install a flexible duct connector joint between the outlet of these devices and the airduct.



Technical description

- Fabric made of Fiberglass cloth, covered on one side with Polyester Aluminized Foil
- Seam Type LOC 4
- Available in : **Galvanized steel**, **Stainless steel 304** or **Stainless steel 316**, thickness 0,4 mm (28 ga)

LOC 4

Technical specification - Fabric

Material	**Backing**	Fiberglass cloth
	Coating	Laminated aluminized foil on one side
Weight		740 gr/sq m (26 oz/sq yd)
Color	**Notched side**	Natural Fiberglass cloth
	Smooth side	Laminated polyester aluminized foil
Temperature range		-40°C to +500°C (-40°F to 932°F)
Features		Fragile product Mainly used against high radiant temperatures

The values listed are ultimate averages achieved under standard laboratory conditions. These results are given only as a guide and not as a warranty. An appropriate safety factor must be determined for the designed purpose.

Temperature Resistance

- Polyester aluminized foil : 180°C (356°F)
- Backing : -40°C to +500°C (-40°F to 932°F)
- Foil contact heat : 200°C (392°F)
- Foil radiant heat : up to 1000°C (1832°F)

RESISTANCE	Very good	Good	Fair	Poor	Very poor
ACIDS		x			
OILS		x			
SOLVENTS				x	
GREASES			x		
OZONE		x			
UV		x			
ALOGEN			x		

Resistance may differ depending on time and environment exposure and chemical concentration

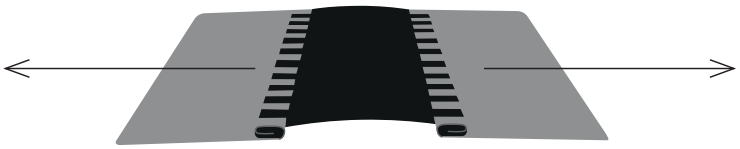
TECHNICAL DATA SHEET (2/2)

T - 1090 _ ALU

Seam Resistance

Resistance of the mechanical joint (fabric to steel)

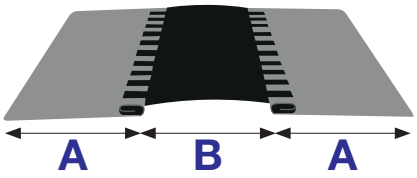
Pressure test : min. 2000Pa



Minimum 30kg/100mm
(66 lbs/4")

Dimensions

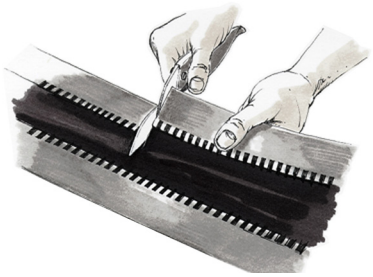
A = steel width		B = Fabric width	
45 mm	1-3/4"	60 mm	2-3/8"



- Standard length of roll: 25 m (82 ft)
- Other lengths and sizes on request

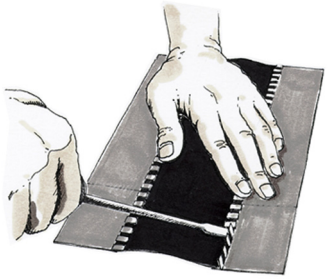
Application

1



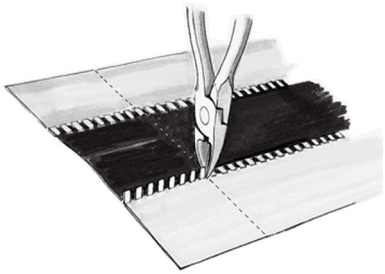
At a notch, cut a length equivalent to the perimeter required plus an overlap of 5 to 6 cm (2") for joining

2



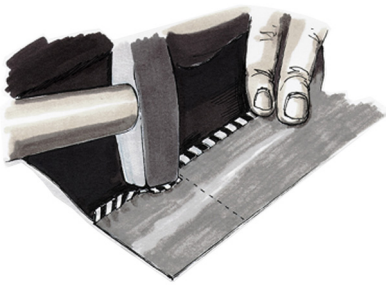
Lift the seam outwards at right angle

3



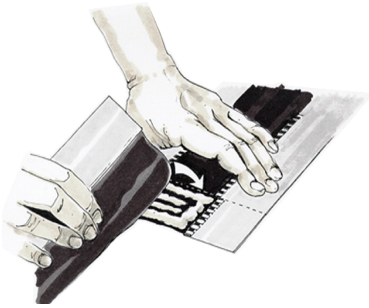
Make a cut at the edge of the lifted seam section

4



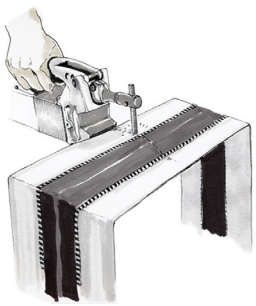
Bend down the seam whilst ensuring that the cloth remains fastened

5



Coat the cloth with the appropriate adhesive or use our self-adhesive pads (if appropriate). Join both sides and press together firmly

6



Spotweld the steel and form to the desired shape